

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Andreas ABEL et al. : Attn: BOX PCT
Serial No. New : Docket No. 2001_1861A
Filed January 15, 2002 :

DEVICE AND METHOD FOR
DETERMINING MULTIPLE ANALYTES
[Corresponding to PCT/EP00/07529
Filed August 3, 2000]

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents,
Washington, DC 20231

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

a. ☐ a full or partial English language translation submitted herewith,

- b. ☒ an International Search Report (in the English language) submitted herewith,
- c. ☒ the concise explanation contained in the specification of the present application at pages 2-7,
- d. ☒ the concise explanation set forth in the attached English language abstract,
- e. ☒ the concise explanation set forth below or on a separate sheet attached to the reference:

GB 2,276,635A corresponds to German Patent DE 4410 258 A1.

5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Andreas ABEL et al.

By 

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January 15, 2002

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: January 15, 2002

ATTY DOCKET NO.
2001_1861ASERIAL NO.
NewAPPLICANT
Andreas ABEL et al.FILING DATE
January 15, 2002

GROUP

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AA	44 10 258 A1	10/06/94	DE				
	AB	84/01031	03/15/84	WO				
	AC	0 872 735 A1	10/21/98	EP				
	AD	93/25892	12/23/93	WO				
	AE	98/09156	03/05/98	WO				
	AF	96/35940	11/14/96	WO				
	AG	2 276 635	10/05/94	GB				
	AH	95/33197	12/07/95	WO				
	AI	95/33198	12/07/95	WO				
	AJ	98/22799	05/28/98	WO			Abst.	
	AK	94/27137	11/24/94	WO				
	AL	97/35203	09/25/97	WO				
	AM	99/36766	07/22/99	WO				
	AN	97/46707	12/11/97	WO				
	AO							
	AP							
	AQ							
	AR							

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)

ATTY DOCKET NO.
2001_1861A

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New

PCT/PTO 15 JAN 2002

U.S. DEPARTMENT OF COMMERCE
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Date Submitted to PTO: January 15, 2002

APPLICANT
Andreas ABEL et al.FILING DATE
January 15, 2002

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,747,274	05/05/98	Jackowski			
	AB	5,807,755	09/15/98	Ekins			
	AC	5,837,551	11/17/98	Ekins			
	AD	5,432,099	07/11/95	Ekins			
	AE	4,978,503	12/18/90	Shanks et al.			
	AF	5,478,755	12/26/95	Attridge et al.			
	AG	5,841,143	11/24/98	Tuma et al.			
	AH	5,006,716	04/09/91	Hall			
	AI	4,649,280	03/10/87	Holland et al.			
	AJ	5,738,825	04/14/98	Rudigier et al.			
	AK	5,459,325	10/17/95	Hueton et al.			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	Warren C.W. Chan and Shuming Nie, "Quantum Dot Bioconjugates for Ultrasensitive Nonisotopic Detection", <i>Science</i> , Vol. 281, September 25, 1998, pp. 2016-2018.
	AM	Kristina A. Cole, David B. Krizman and Michael R. Emmert-Buck, "The Genetics of Cancer-a 3D Model", <i>Nature Genetics Supplement</i> , Vol. 21, January 1999, pp. 38-41.
	AN	K. Tiefenthaler and W. Lukosz, "Sensitivity of Grating Couplers as Integrated-Optical Chemical Sensors", <i>Journal of the Optical Society of America</i> , Vol. 6, No. 2, February 1989, pp. 209-220.
	AO	W. Lukosz, Ph. M. Nellen, Ch. Stamm and P. Weiss, "Output Grating Couplers on Planar Waveguides as Integrated Optical Chemical Sensors", <i>Sensors and Actuators</i> , B1 (1990), pp. 585-588.
	AP	T. Tamir and S.T. Peng, "Analysis and Design of Grating Couplers", <i>Applied Physics</i> , 14 (1977), pp. 235-254.
	AQ	D. Bovelli et al., "Highly Oriented, Self-Assembled Alkanephosphate Monolayers on Tantalum (V) Oxide Surfaces", <i>Langmuir</i> , 14 (1999), pp. 4324-4327.

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